



Trans-Lake Washington Project

Second Level Screening Criteria

Executive Committee
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Washington State
Department of Transportation



Trans-Lake Washington Project

Alternatives Selection Process

See next page



Effectiveness

- Mobility
 - travel time
 - total hours of delay
 - transit ridership
 - system-wide transit boardings
 - study area transit ridership
 - traffic volumes
 - VMT / VHT
 - traffic congestion
 - person throughput
 - vehicle queue lengths
 - travel demand reduction
 - mode shift



Effectiveness

- Reliability & Safety
 - exclusive/non-exclusive ROW
 - travel time
 - incident management
 - safety
 - dependency on other strategies
- System Compatibility
 - with Sound Transit's long-range vision
 - with other regional & local transportation improvements
 - system continuity
 - with statewide, regional & local TDM & land use goals



Environmental Impacts

- Built Environment
 - displacements
 - neighborhoods
 - public lands & cultural & historic resources
 - noise & vibration
 - visual
 - land use
- Natural Environment
 - fish-bearing streams/ESA
 - critical upland habitat/ESA
 - wetlands/shorelines
 - water resources (quantity & quality)
 - air quality



Cost

- Capital and O&M costs
- Life-cycle costs
- Private costs (private vehicle ownership and operation costs)